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7. "Temporary Instructions for the Operation of Ignitron Rectifiers at Railroad Traction Substations" (Vremennaya instruktsiya po eksploatatsii ignitronnykh vypryamiteley na podstantsiyakh zheleznykh dorog), Chief Directorate of Railroad Electrification, Ministry of Railroad Communications USSR, 1949, 27 pp, gratis.

8. "Resistance Welding" (Kontaktnaya elektrosvarka), A. S. Gel'man, Mashgiz, 1949, 499 pp, R 19.40.

Approved as a textbook for higher technical institutions.

9. "Technical and Economic Indexes of Steam-Electric Power Stations" (Tekhniko-ekonomicheskiye pokazateli teplovykh elektricheskikh stantsiy), A. S. Gorshkov, Gosenergoizdat, 1949, 288 pp, R 21.

10. "Resistance Welding of Rails" (Kontaktnaya svarka rel'sov), V. Ye. Dotsenko, Transzheldorizdat, 1949, 313 pp, R 14.

11. "Erection and Operation of High-Voltage Transmission Lines" (Sooruzheniye i eksploatatsiya Vysokovol'tnykh liniy elektropredachi), G. S. Dutkin, A. Ya. Liberman, 3d Edition, revised, Gosenergoizdat, 1949, 416 pp, R 12.

Book is intended for training workers engaged in the construction and operation of high-voltage overhead power transmission lines and for use in correspondence courses. It gives necessary information both on erection and installation of high-voltage lines and on their operation and repair. It is divided into two parts. Part I, Construction and Installation of Power Transmission Lines, contains 12 chapters, including elements of transmission lines: classification and technical specifications for the erection of lines; surveys; plans for a line; preliminary work; base and foundation of towers; tower design, erection and protection; installation of conductors and cables; auxiliary equipment; mechanization of work.

Part II, Operation of High-Voltage Lines, consists of 14 chapters covering problems and operation of high-voltage transmission lines; damaged towers, conductors, cables, line insulators, and equipment; storm damage and protection against it; operational organization of high-voltage lines; inspecting lines; control measurements and tests; repair and safety technique in the operation of high-voltage lines.

12. "X-Rays" (Rentgenovy luchy), G. S. Zhdanov, Gostekhizdat, 1949, 32 pp, R 0.50.

Popular Science Library.

13. "Induction Generators With Capacitor Excitation" (Asinkhronnye generatory s kondensatornym возбуждением), Yu. D. Zubkov, Academy of Sciences Kazakh SSR, 112 pp, R 7.

14. "Pulse Techniques" (Impul'snaya tekhnika), Ya. S. Itskhoki, "Sovetskoye radio," 1949, 296 pp, R 11.

15. "The Electrical Industry and Its Role in the Development of the National Economy of the USSR" (Elektropromyshlennost' i yeye rol' v razvitii narodnogo khozyaystva SSSR), I. G. Kabanov, "Pravda," 1949, 30 pp, R 0.60.

All-Union Society for the Dissemination of Political and Scientific Knowledge. Transcript of public lecture read in the Central Auditorium of the society in Moscow.

- 2 -

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

16. "Electrical Discharges in Gases and Their Use in Technology" (Elektricheskiye razryady v gazakh i ikh primeneniye v tekhnike), N. A. Kaptsov, "Pravda," 1949, 24 pp, R 0.60.

All-Union Society for the Dissemination of Political and Scientific Knowledge. Transcript of public lecture for engineers and technicians.

17. "Storms" (Grozy i buri), N. V. Kolobkov, Gostekhizdat, 1949, 64 pp, R 1.35.

Popular Science Library.

18. "Fundamentals of Radio Engineering" (Osnovy radiotekhniki), K. I. Kontrikadze, "Tekhnika da Shroma," 1949, 280 pp, R 9.

In Georgian.

19. "The Simplest Methods of Protecting Buildings Against Lightning in Rural Areas" (Prosteyshiye sposoby grozozashchity zdaniy v sel'skoy mestnosti), Korel'skiy, Tarasov-Agalakov, published by Fire-Prevention Organization, UkMVD, Zaporozh'ye Oblast, 1949, 8 pp, gratis.

20. "How to Build a Crystal Receiver" (Kak postroit' detektornyy priyemnik), I. Kubarkin, V. Yenyutin, Latvian State Publishing House, 1949, 40 pp, R 1.

In Latvian.

21. "12.5 - 25-Ton Electric Jacks for Railroad Cars" (Vagonnyye elektrodomkraty 12.5 - 25-tonnyye), A. M. Kulayev, Chief Directorate, Railroad Machine-Building Plants, Ministry of Transportation USSR, 1949, 39 pp, price not indicated.

Care and maintenance instructions.

22. "The Fluxmeter" (Flyuksmetr), A. G. Kalashnikov, Academy of Sciences USSR, 1949, 160 pp, R 9.

Theory, experiments, and use of the instrument for measuring magnetic flux. Geophysical Institute, Academy of Sciences USSR.

23. "Parameters and Characteristics of Radio Receivers" (Parametry i kharakteristiki radiopriyemnikov), Ye. A. Levitin, Gosenergoizdat, 1949, 90 pp, R 2.50.

Mass Radio Library under general editorship of A. I. Berg.

24. "Design and Construction of Telegraph Apparatus" (Raschet i konstruirovaniye telegrafnoy apparatury), V. D. Lobastov, Gosenergoizdat, 1949, 199 pp, R 7.50.

Approved as a textbook for technical schools.

25. "Handbook on Radio Parts" (Spravochnik po radiodetal'nyam), V. N. Loginov, Gosenergoizdat, 1949, 82 pp, R 3.75.

Mass Radio Library under general editorship of A. I. Berg, No 41.

26. "A Typical Diesel-Electric Power Station for MTS Workshops" (Tipovaya dizel'naya elektrostaniya dlya masterskikh pri MTS), A. A. Latyshev, Sel'khozproyekt, Ministry of Agriculture USSR, 1949, 29 pp of text and 4 pp of sketches, R 4.

- 3 -

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

27. "Dividing Automatic Regulating Systems Into Elements" (Raschleneniye sistem avtomaticheskogo regulirovaniya na elementy), A. Ya. Lerner, Mashgiz, 1949, 36 pp, gratis.

All-Union Scientific and Technical Society of Instrument Building.
Lecture at the seminar on the theory of automatic regulation.

28. "Experimental Electronics Methods" (Metody eksperimental'noy elektroniki), Foreign Literature Publishing House, 1949, 427 pp, R 22.

Compiled from material in the book "Experimental Electronics" by K. H. Muller, R. L. Garman, and M. E. Dros.

29. "Electrical Engineering" (Elektrotehnika), I. G. Meyerson, L. S. Polotovskiy, Military Publishing House, 1949, 240 pp, R 7.30.

Textbook on special aircraft equipment for technical personnel of the USSR Air Force.

30. "From the History of Electrical Engineering" (Iz istorii elektrotehniki), V. I. Metreveli, "Tekhnika da Shroma," 1949, 71 pp, R 3.50.

In Georgian.

31. "Bookkeeping Balance and Calculation of Electrical and Thermal Energy at Electric Power Stations" (Bukhgalterskiy balans i kal'kulyatsiya elektro- i teploenergii na elektrostantsiyakh), F. A. Moskovskiy, Gosenergoizdat, 1949, 152 pp, R 7.80.

32. "Testing Protective Grounds Without Switching Off Electric Equipment" (Ispytaniye zashchitnykh zanulenykh bez otklyucheniya elektrooborudivaniya), A. N. Nadel', Metallurgizdat, 1949, 14 pp, gratis.

Energometallurgprom. Information Letter No 44.

33. Scientific and Technical Session on Repairing Electrical Equipment. Collection of reports. Industrial Electrical Engineering Section of MONITOE (Moscow Division, Scientific and Technical Society of Power Engineers.) Published by MONITOE, 1949, 38 pp, price not indicated.

34. Scientific and Technical Session on Electric Power Economy. Collection of reports. Industrial Electrical Engineering Section of MONITOE and Energosbyt, Mosenergo. Published by MONITOE, 1949, 37 pp, price not indicated.

35. "Procedure for Water Power Engineering Calculations" (Metodika vodoenergeticheskikh raschetov), S. N. Nikitin, Gosenergoizdat, 1949, 239 pp, R 12.

36. "Radar" (Radiolokatsiya), M. Z. Nodia, State Publishing House of the Georgian SSR, 1949, 40 pp, R 1.

In Georgian.

37. "A. S. Popov, the Great Russian Scientist and Inventor of Radio" (Velikiy russkiy uchenyy izobretatel' radio A. S. Popov), N. G. Pavlov, Central Polytechnic Library, 1949, 6 pp, gratis.

List of literature lecture material recommended by All-Union Society for the Dissemination of Political and Scientific Knowledge.

- 4 -

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

38. "Basic Data and Characteristics of a DC 1650/3300 Motor Car Section" (Osnovnyye dannyye i kharakteristiki motorvagonnoy seksii 1650/3300 v postoyannogo toka), G. A. Petrov, L. A. Kronkain, Transzheldorizdat, 1949, 80 pp, R 4.

Transactions of the All-Union Scientific-Research Institute of Railroad Transport, No 35.

39. "Electric Machines" (Elektricheskiye mashiny), L. M. Piotrovskiy, Gosenergoizdat, 1949, 528 pp, R 32.50.

Approved as a textbook for power and electrical engineering higher educational institutions and faculties.

40. "Testing of Electric Machines" (Ispytaniye elektricheskikh mashin) Part I General Part and Testing of DC Machines, Gosenergoizdat, 1949, 380 pp, R 14.

Approved as a textbook for power and electrical engineering higher educational institutions and faculties.

41. "Course in Electronavigational Instruments for Higher Naval Schools" (Kurs elektronavigatsionnykh priborov dlya vysshykh voyennomorskikh uchilishch), N. K. Plashchinskiy of Main Administration of Navy Educational Establishments, Military Publishing House, 1949, 220 pp, R 7.50.

42. "Checking the Quality of Resistance Welding and Arc Welding of Rails" (Kontrol' kachestva kontaktnoy svarki i dugovoy naplavki rel'sov), A. Ya. Rabinovich, Transzheldorizdat, 1949, 68 pp, gratis.

43. "Measuring Grounding Resistance With Portable Instruments" (Izmereniye soprotivleniya zazemleniya perenosnymi priborami), V. G. Rashkovskiy, Metallurgizdat, 1949, 8 pp, gratis.

Energometallurgprom. Information Letter No 47.

- 44. "Electric Loads and Primary Distribution of Electric Power in Industrial Enterprises" (Elektricheskiye nagruzki i pervichnoye raspredeleniye elektricheskoy energii v promyshlennyykh predpriyatiyakh), M. I. Slavnin, Gosenergoizdat, 1949, 240 pp, R 13.

Book is textbook on problems of electric power supply of industrial enterprises. Examines electric loads, daily and annual graphs, tariffs on electric power, choice of voltages and basic requirements. Discusses in detail problems of the reliability of feeding electric loads and selection of number and power of substations and their transformers. Discusses problem of improving power factor in industrial installations. Book is divided into six chapters: basic characteristics of electric loads of enterprises; determination of basic parameters of an electric power supply system; sources of electric power supply; systems of feeding and switching 6-10 kv industrial substations; feeding and switching systems of 35-kv industrial substations; increasing the power factor of industrial enterprises. The book presents a number of practical examples which clarify the text.

45. "Graphical Design of a Short-Wave Coil" (Graficheskiy raschet korotkovolnovoy katushki), G. A. Snitserev, Gosenergoizdat, 1949, 26 pp, R 0.75.

Mass Radio Library under general editorship of A. I. Berg, No 43.

46. "Radio Installation Practice" (Praktika radiomontazha), F. N. Tarasov, Gosenergoizdat, 1949, 48 pp, R 1.50.

Mass Radio Library under general editorship of A. I. Berg, No 42.

- 5 -

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

47. "Lectures on the 'Electrical Materials' Course" (Lektsii po kursu "Elektromaterialovedeniye") No 3, Electrical Insulating Glasses, B. M. Tareyev, Editing and Publishing Division of VZEI (All-Union Correspondence Power Engineering Institute), 1949, 24 pp, gratis.

Ministry of Higher Education USSR. VZEI.

48. "The Radio Amateur's Handbook" (Spravochnik radiolyubitelya), I. Yu. Temper, V. Ye. Osherov, Gostekhizdat Ukrainy, 1949, 371 pp, R 23.

Under general editorship of V. V. Oshevskiy.

49. "Transactions of the Power Engineering Institute" (Trudy instituta energetiki), No 3, Power Engineering Institute, Academy of Sciences Uzbek SSR, 1949, 143 pp, R 8.

The issue contains the following articles: G. R. Rakhimov, "A Symbolic Method of Calculating Electric Circuits with Nonsinusoidal Quantities"; M. Ye. Syrkin, "Some Problems of the Theory of Resonance in Multiphase Circuits"; Kh. F. Fazylov, "Procedure for Calculating Self-Establishing Postbreakdown Conditions in Electric Power Systems"; A. V. Grekhov, "A Tabular Method of Solving Systems of Linear Equations and Its Application to the Design of Electric Circuits"; M. Ye. Syrkin and E. G. Faynshteyn, "Selecting Electric Machines According to Heating"; G. A. Grinevich, "Calculating Basic Characteristics for a Wind Power Engineering Survey"; G. A. Grinevich, "Data on Typical Conditions of Recurrence of Wind Speeds Along the Main Landscape Zones of Uzbekistan."

50. "The Production of Electric Incandescent Lamps" (Proizvodstvo elektricheskikh lamp nakalivaniya), L. G. U'lmishek, Gosenergoizdat, 1949, 444 pp, R 16.

Third edition, again revised.

51. "Visual Educational Aids" (Uchebno-naglyadnyye posobiya), Gosenergoizdat, 1949, 50 pp, R 1.50.

Exhibits at the 7th All-Union Correspondence Radio Exhibition. Mass Library under general editorship of A. I. Berg, No 45.

52. "Radar Technology" (Tekhnika radiolokatsiya), Part I, Physical Principles of Radar, D. Fink, Military Publishing House, 1949, 279 pp, R 9.40.

Translated by N. Ye. Sirochina under general editorship of V. I. Shamshur.

53. "Cathodic Protection of Gas Mains" (Katodnaya zashchita magistral'nykh gazoprovodov), I. N. Frantsevich, Ye. V. Khrushchova, T. F. Frank-Zabludovskaya, (Institute of Ferrous Metallurgy, Academy of Sciences USSR), Academy of Sciences USSR, 1949, 80 pp, R 5.

54. "Operation of Cables and Cable Networks" (Eksploatatsiya kabeley i kabel'nykh setey), collection of articles under editorship of I. A. Syromyatnikov, Gosenergoizdat, 1949, 384 pp, R 19.

The collection is compiled from material of the scientific and technical session for promulgating experience of operation of cables and cable networks carried out by the Technical Division of the Ministry of Electric Power Stations USSR in conjunction with the Moscow Scientific and Technical Society of Power Engineers. The reports read at the session by S. M. Bragin "Prospects for the Development of High-Voltage Electric Cables" and V. I. Pogarskiy "High-Voltage Cable Breakdowns and Methods of Preventing Them" have already been published in "Elektrichestvo" (No 4, 1949 and No 10, 1948) and have not been included in the present collection.

- 6 -

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL
CONFIDENTIAL

50X1-HUM

The collection contains: the resolution of the session; reports by I. A. Syromyatnikov, "Problems of Operating Cable Networks and Requirements of the Ministry of the Electrical Industry"; B. M. Baranov, "Experience of Operating Compensated Cable Networks of MKS (Moscow Cable Network) of Mosenergo"; R. Ya. Minkov, "Experience of Operating 35-kv Cables in Lenenergo Networks"; D. S. Ponomarev, "Operation of the 20-35 kv Network of Azenergo"; D. I. Malinichev, "Experience of Operating 110 kv Oil-Filled Cable in MKS of Mosenergo"; N. M. Zhigulev, "Technical and Economic Indexes of Moscow Cable Network and Basic Operating Characteristics"; A. A. Kolesnikov, "Experiences of Operating Tunnel and Block Cable Layers of a Metallurgical Combine"; Ye. I. Gorin, "Experience of Operating Tunnel Cable Layers"; S. P. Dombrovskiy, "Experience of Operating End Seals of 825-v Traction Network Cables."

Also V. I. Pogarskiy, "Aging and Spoiling of Cables Under Service Conditions and Preventive Measures"; S. S. Gorodetskiy, "Methods of Testing and Estimating the Quality of High-Voltage Cables With Impregnated Paper Insulation"; LKS Lenenergo, "Analysis of Methods of Locating Damage in Cables"; S. F. Bogomazov, "Repair Work and Preventive Maintenance in MKS Mosenergo"; A. A. Kosovskiy, "Analysis of Preventive Maintenance of 35-6 kv Cables of Leningrad Cable Network"; A. S. Yakunin "Methods of Locating Damage in Cables of Moscow Cable Network"; L. I. Akinfiyev, "Procedure for Establishing Corrosion Zones of City Territories"; V. S. Kal'man, "Protection from Corrosion by Electric Drainage"; L. B. Krotov, "Experience of Preventive Maintenance Tests of 825-v Traction Network Cables"; V. I. Pogarskiy, "Investigation of One Batch of Imported Cables."

Also V. M. Blok, "Selection of the Optimum Cross Sections of Cables Considering the Economic Indexes"; S. S. Gorodetskiy, "Designs of High-Voltage Cables and Prospects for Their Development"; A. I. Grachev, "Plant Defects of Cables"; L. I. Macheret, "Combating Defects and Improving the Quality of Power Cables"; P. A. Umov, "Laying 6-10 kv Cables With Impregnated Paper Insulation at Low Temperatures"; B. Z. Ryskin, "Laying Cable Lines in Cities With Extensive Underground Installations"; N. S. Tumanov, "Laying and Repair of Underwater 35-6 kv Power Cables"; I. A. Fridkin, "Designs of Cable Couplings Used in MKS Mosenergo - Their Advantages and Disadvantages"; S. T. Sokhranskiy, "Production of Cable Equipment"; Ye. A. Proshchin, "New Types of Dry End Seals for Cables up to 10 kv"; and L. V. Smirnov, "The Use of Bituminous Compositions and Cold Filling Compounds for Cable Couplings." Also abridged reports of the speeches made by the delegates at the session.

50X1-HUM

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- 7 -

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